

CLAIMS AS AMENDED - clean copy:

20. An apparatus, comprising:
a speech user agent, and;
a browsing module for the world wide web being responsive to said speech user agent,
said speech user agent facilitating voice activation of said browsing module to access an
information resource on the world wide web.

21. The apparatus of Claim 20, wherein said access of said information resource is
accomplished in part through use of a grammar embedded in said information resource.

22. The apparatus of Claim 21, further including a means for processing the verbal
directions of a user based on said grammar.

23. The apparatus of Claim 22, further including a means for returning a result of said
verbal directions to said user.

24. The apparatus of Claim 21, wherein said information resource is an HTML page.

25. The apparatus of Claim 20, further including an instructional module for
communicating allowed actions by a user.

26. The apparatus of Claim 21, wherein said embedded grammar is a smart page
grammar.

27. The apparatus of Claim 21, wherein said embedded grammar is a reference to a
grammar located in said information resource.

28. The apparatus of Claim 21, wherein said grammar is dynamically added to a speech
recognizer.

29. The apparatus of Claim 22, wherein said actions come from a speech recognizer.

30. The apparatus of Claim 20, further including a means for extracting a grammar from a hypermedia source on said information resource for future reference to said source.

31. The apparatus of Claim 31, further including a means for automatically producing an intelligent grammar from said information resource.

32. The apparatus of Claim 32, further including a means for processing said grammar to produce a reference to said hypermedia source.

33. The apparatus of Claim 20, wherein said apparatus further includes a means for tokenizing a title for addition into said grammar.

34. The apparatus of 20, wherein said apparatus includes a means for dynamically adding said grammar to a speech recognizer.

35. An apparatus, comprising:
a speech user agent for accessing a browsing module for the world wide web, said speech user agent facilitating voice activation of said browsing module to access an information resource on the world wide web.

36. A method, comprising:
embedding voice activated control information in HTML pages as delivered on the World Wide Web, wherein said voice control information is encoded in a grammar language and is interpreted by a Web client user-agent that translates user utterances into client actions.